

## Symbol Name

**RALBP1** RalA binding protein 1

## Synonyms

76-kDa Ral-interacting protein,  
Dinitrophenyl S-glutathione  
ATPase, DNP-SG ATPase, RalA  
binding protein 1, RalBP1, Ral  
interacting protein 1, RIP, RLP1,  
RLIP1, RLIP76

## Organism

Homo sapiens

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UniProt Q15311  
OMIM 605801  
NCBI Gene 10928  
NCBI RefSeq NP\_006779  
NCBI Accession AAB00103, AAH13126, BC013126  
Homologues of RALBP1 ...  
Definitions for RALBP1 ...

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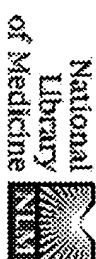
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Stress-pre-conditioned cells with induced hGST5.8 and **RLIP76** acquired resistance to 4-HNE and H2O2-mediated apoptosis by **suppressing** a sustained activation of c-Jun N-terminal kinase and **caspase 3**.  
Importantly, Vpr and **Rip-1** coimmunoprecipitated with the human **GR** as part of an activated receptor complex.  
Present studies have identified the **ATP binding sites** in **RLIP76**, and show that DOX and COL transport can be reconstituted by two fragments of **RLIP76**.  
Ral and **POB1** simultaneously interacted with **RalBP1** in **COS cells**.  
**POB1** is a **binding protein of RalBP1** and has the **Eps15** homology (EH) domain.  
In a second step, **TRADD** and **RIP1** associate with **FADD** and caspase-8, forming a cytoplasmic complex (complex II).  
Ral-binding protein 1 (**RalBP1**) is a putative effector protein of Ral and exhibits a **GTPase activating activity** for Rac and **CDC42**.  
These results suggest that **RalBP1** makes a **complex with POB1** and that this complex may provide a link between tyrosine kinase, Src homology 3 (SH3)-containing protein, and Ral.  
When tested, **RIP1** could **activate** the GTPase activity of **CDC42** and, to a lesser extent, **Rac1** but not **RhoA**, Ras, or Ral.



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#29 Search #28 AND #27

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"Ral-interacting-protein-1" [TIAB] OR "76-kDa Ral-interacting protein" [TIAB] OR

"76-kDa-Ral-interacting-protein" [TIAB] OR "76 kDa Ral interacting protein" [TIAB]

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ATPase" [TIAB] OR "DNP-SG-ATPase" [TIAB] OR "DNP SG ATPase" [TIAB] OR

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#27 Search #25 and #24

#26 Search #25 and #26

#25 Search antibodies or antibody

#24 Related Articles for PubMed (Select 12632061)

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<u>#32</u> Related Articles for PubMed (Select 7907606)	16:33:31	<u>243</u>
<u>#29</u> Search #28 AND #27	16:31:53	<u>9</u>
<u>#28</u> Search "RALBP-1" [TIAB] OR "RALBP 1" [TIAB] OR "RALBP1" [TIAB] OR	16:23:32	<u>1414</u>
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<u>#26</u> Search #25 and #26	16:21:54	<u>0</u>
<u>#25</u> Search antibodies or antibody	16:21:45	<u>819758</u>
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#23 Search antiRLIP76 Field: All Fields	16:20:54	0
#22 Search antiRLIP76 Limits: Publication Date to 2002	16:20:44	0
#20 Search anti-RLIP76 Limits: Publication Date to 2002	16:20:04	1
#18 Search (cancer antibodies) AND ("RALBP-1" [TIAB] OR "RALBP 1" [TIAB] OR "RALBP1" [TIAB] OR "RIP" [TIAB] OR "rala binding protein 1" [TIAB] OR "rala-binding-protein-1" [TIAB] OR "RLIP-76" [TIAB] OR "RLIP 76" [TIAB] OR "RLIP76" [TIAB] OR "RIP-1" [TIAB] OR "RIP 1" [TIAB] OR "RIP1" [TIAB] OR "RalBP-1" [TIAB] OR "RalBP 1" [TIAB] OR "RalBP1" [TIAB] OR "Ral interacting protein 1" [TIAB] OR "Ral-interacting-protein-1" [TIAB] OR "76-kDa Ral-interacting protein" [TIAB] OR "76-kDa-Ral-interacting-protein" [TIAB] OR "76 kDa Ral interacting protein" [TIAB] OR "Dinitrophenyl S-glutathione ATPase" [TIAB] OR "Dinitrophenyl-S-glutathione-ATPase" [TIAB] OR "DNP-SG-ATPase" [TIAB] OR "DNP-SG-ATPase" [TIAB] OR "RLIP 1" [TIAB] OR "RLIP1" [TIAB] Field: All Fields, Limits: Publication Date to 2002	16:19:29	48
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"RLIP1" [TIAB] Field: Title/Abstract, Limits: Review	
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